

Sustaining Resource Security for Today and Tomorrow Installation Status Report



Installation Status Report

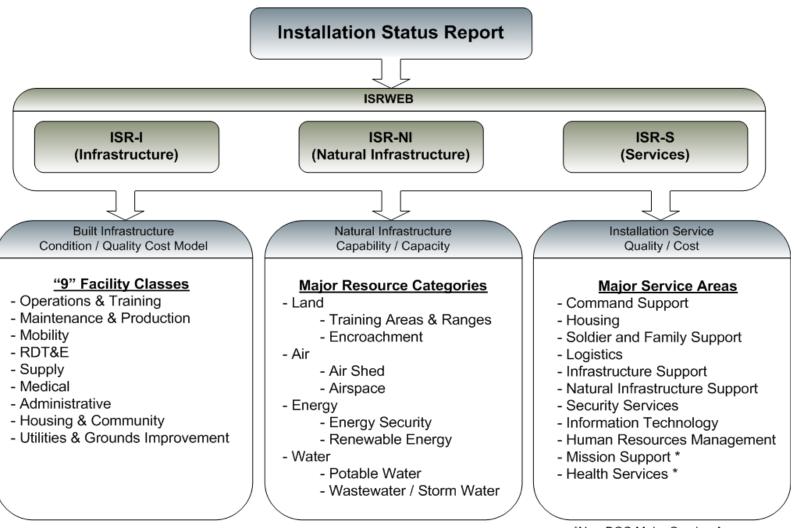
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Report Documentation Page

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Components of ISR



*Non-BOS Major Service Areas



Why ISR-NI?



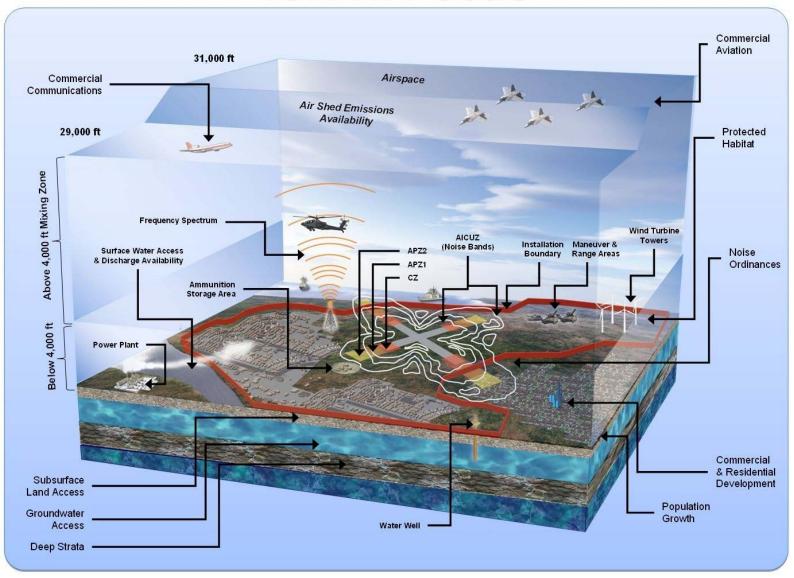


ISR-NI Focus

- Natural Infrastructure provides the following:
 - Quantitative and spatial analysis through an interactive GIS Viewer
 - Ability to perform 'what-if' scenarios to provide visibility of mission impacts before they occur
 - Mission essential indicators and risk scores help assign priority for mitigation measures
 - Status of actionable sustainability initiatives and milestones
 - Consolidation of existing natural asset data (e.g., training areas, energy, water, airspace) into an 'early warning system'

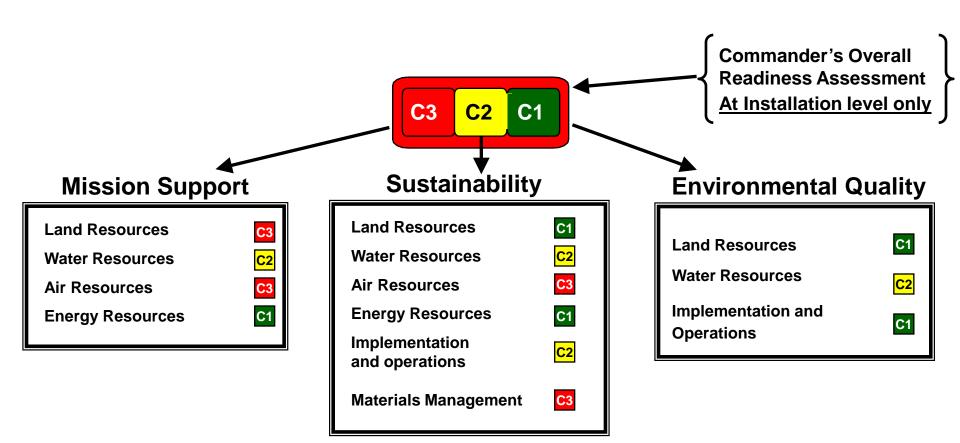


ISR-NI Focus





ISR-NI Framework



Current Platform Readiness

Future Platform Readiness

Environmental Status



ISR-NI Data Requirements

- ISR-NI determines natural asset capability via Performance Measures
 - ISR-NI Measures
 - 170 performance measures for NonVirtual Organizations
 - 86 performance measures for Virtual Organizations
- Auto-populate from existing feeder systems (data consistency)
- Installation data within system persists from year to year, validate and update each cycle
- Rating criteria aligns with Army standards
- ISR-NI requires installation support to be successful YOU know your installation and how ISR-NI can best serve you



Measures / Functional Leads

Primary Functional Organization- Sustainability Measures	# of Measures	Percent of Total Measures		
PAIO	6	11.8%		
DPTMS	3	5.9%		
DOL	3	5.9%		
DPW	36	70.6%		
Master Planning*	3	5.9%		
Total of 51 Measures	51	100%		

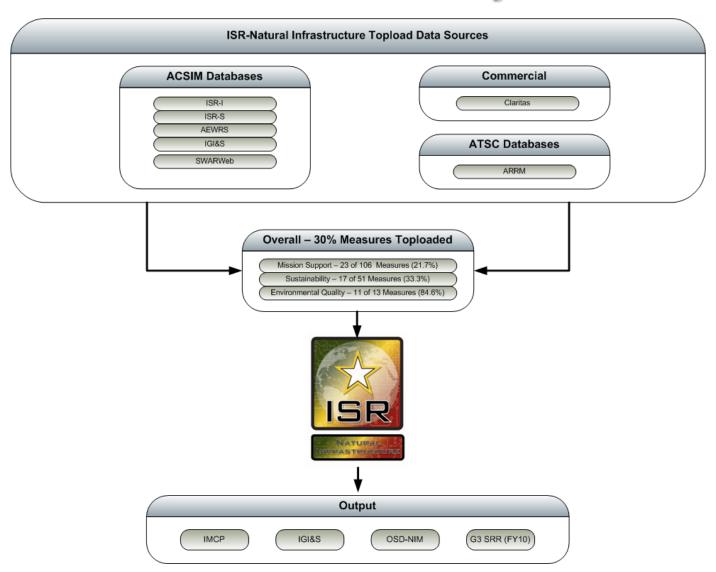
Primary Functional Organization- Mission Support	# of Measures	Percent of Total Measures		
DOL	5	4.7%		
DPW	51	48.1%		
DPTMS	35	33%		
NEC	7	6.6%		
Environmental	5	4.7%		
Master Planning	1	0.9%		
Force Protection/Security	2	1.9%		
Total of 106 Measures	106	100.0%		

^{*}These functional leads are identified for assistance and are listed for informational purposes.

Primary Functional Organization- Environmental Quality	# of Measures	Percent of Total Measures
DPW	13	100%
Total of 13 Measures	13	100%



ISR-NI Connection to Army Databases



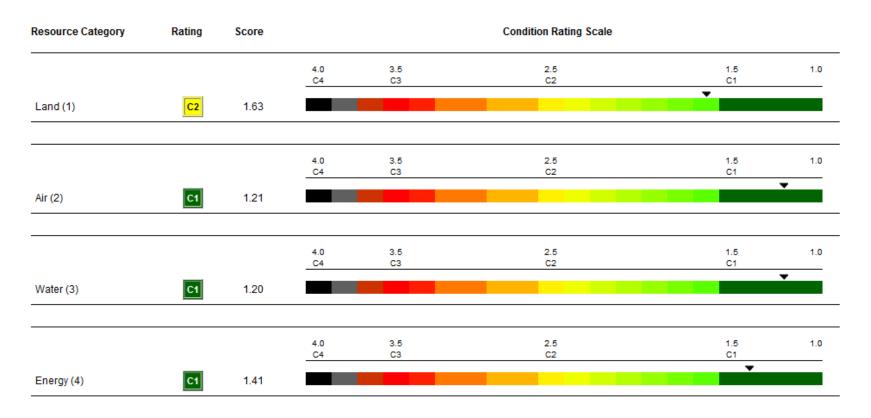


Measure Rating Definitions

Color Ratings						
Color	Color Score Rating Description					
Green +:	1	Additional Capability or Outstanding Performance				
Green:	1	Supports current mission without work-arounds (adjustments that can increase time and/or cost)				
Amber:	Minimal or moderate work-arounds (adjustme can increase time and/or cost) required to accomplish mission					
Red:	3	Cannot fully support current mission, or may require significant work-arounds (adjustments that can increase time and/or cost) to accomplish mission				
Black	4	Cannot support mission				



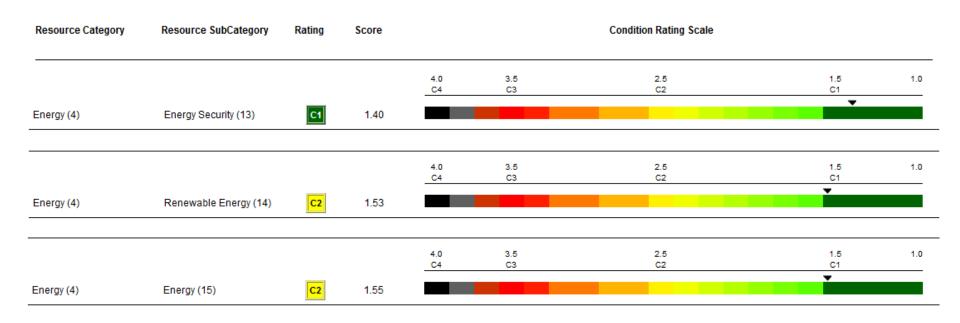
Mission Support Results



Sliding Scale Report displays numerical value within condition rating spectrum



Energy Results





Energy Security and Renewable Energy

- 55% of installations have an energy security plan
- Approximately 20% of installations have electrical demand > 75% capacity
- 12% of installations experienced involuntary interruptions lasting longer than 4 days impacting mission within facilities, laboratories and ranges
 - Caused by weather events, aging infrastructure, utility maintenance, and birds
- 12% of installations have completed annual requirement for energy and water evaluations
- 18% of installations produce energy onsite



Energy Security and Renewable Energy

	Energy Security (MS413)		Green	Amber	Red	Black
1	Does the base have an approved energy security plan?	0	76	0	58	0
4a	What is the maximum electrical demand compared to the system capacity?	47	20	18	2	7
4b	If the base is supplied by natural gas, what is the maximum daily usage compared to the maximum potential (permitted or infrastructure capacity)?	43	7	2	1	5
5	What existing and new technologies has the base utilized in order to offer fuel flexibility?	0	0	0	0	0
6	What technologies has the base implemented in order to minimize electric demand?	0	0	0	0	0
10	On how many days within the past fiscal year did involuntary interruptions (including blackouts and brownouts; consider anything longer than two hours) occur?	73	39	8	2	6
12	Are there potential energy resources that the base could use to meet long term energy requirements (i.e., Army, private or municipal sources)? If yes, then what type?	0	97	35	0	0
13	Does the base have any issues regarding fuel storage capacity that negatively impact the base's ability to meet current mission requirements? If yes, must provide detailed comment.	0	121	0	16	0
14	What percentage of the base has been captured in the comprehensive energy and water evaluations in the previous FY (total square footage annually)?	0	17	22	60	0

Renewable Energy (MS414)		Green +	Green	Amber	Red	Black
1	What percent of total base energy consumption is produced onsite from renewable energy sources?	0	3	2	19	0
2	What percent of total base energy consumption is purchased from renewable energy sources?	0	6	4	0	0
5	Over the last fiscal year, did the reporting organization meet the EO 13423 alternative fuel goal?	0	10	4	12	0



Water Results





Water Results

- 86% of installations have a water vulnerability assessment and response plan
- Approximately 12% of installations have potable demand > 75% capacity during peak periods
 - Caused by aging infrastructure (e.g., main breaks)
- 16% of installations' current storm water systems are inadequate to meet peak storm water flow
- 47% of installations have implemented water reuse/recycling opportunities, rainwater harvesting, and gray water techniques.

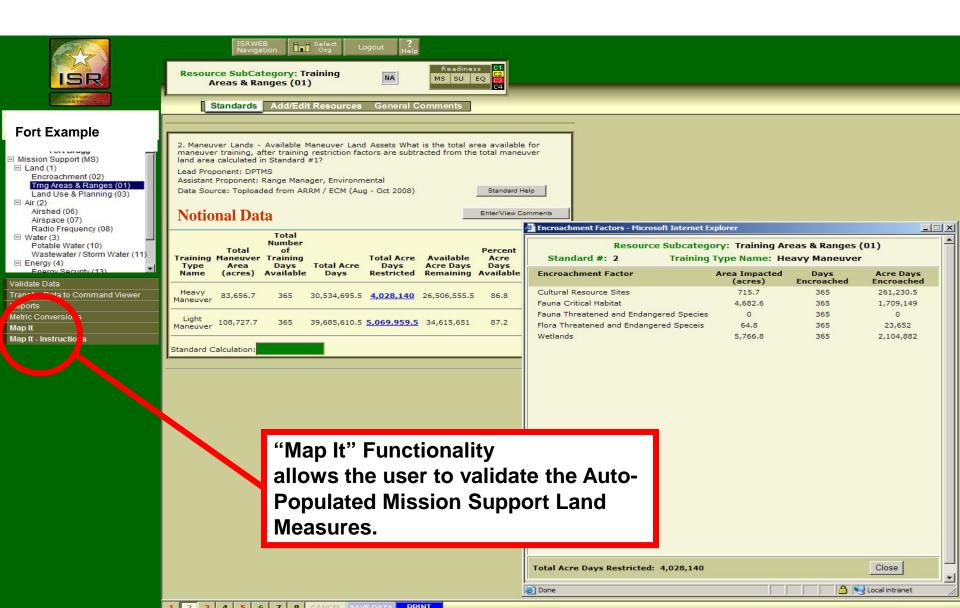


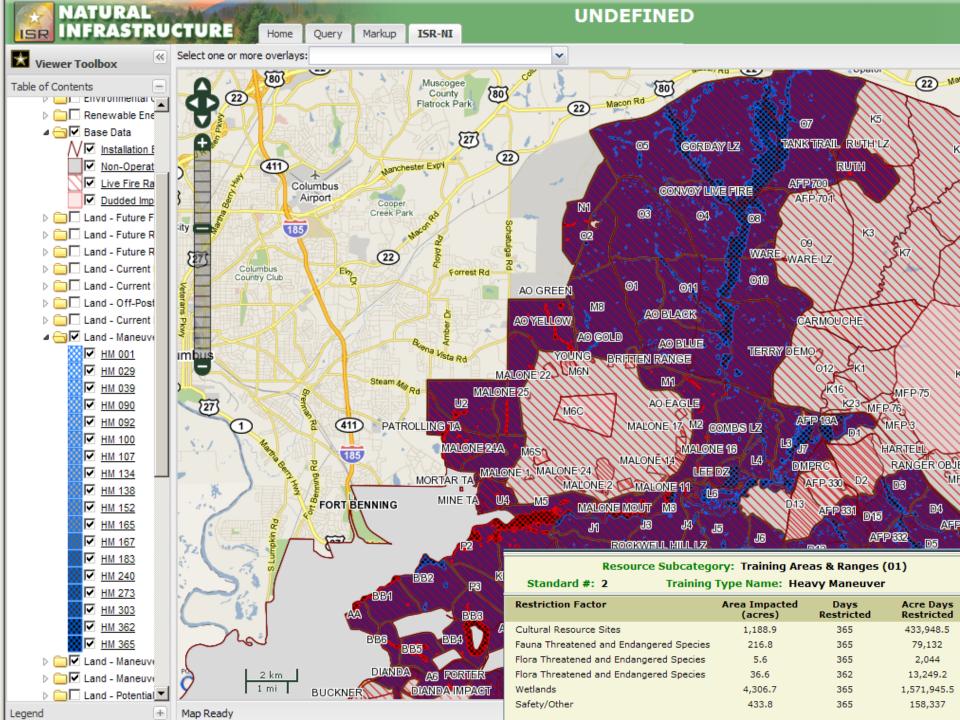
FY11 Training Areas and Ranges (MS101)

- Shortfall of maneuver training land on majority of installations due to increase in doctrinal requirements
- 25% of installations have issues that can significantly impact training in the next 5 years. Examples include:
 - Training Land Shortage
 - Threatened and Endangered Species
 - Environmental Issues
 - Water Shortage



ISR-NI Data Input Module

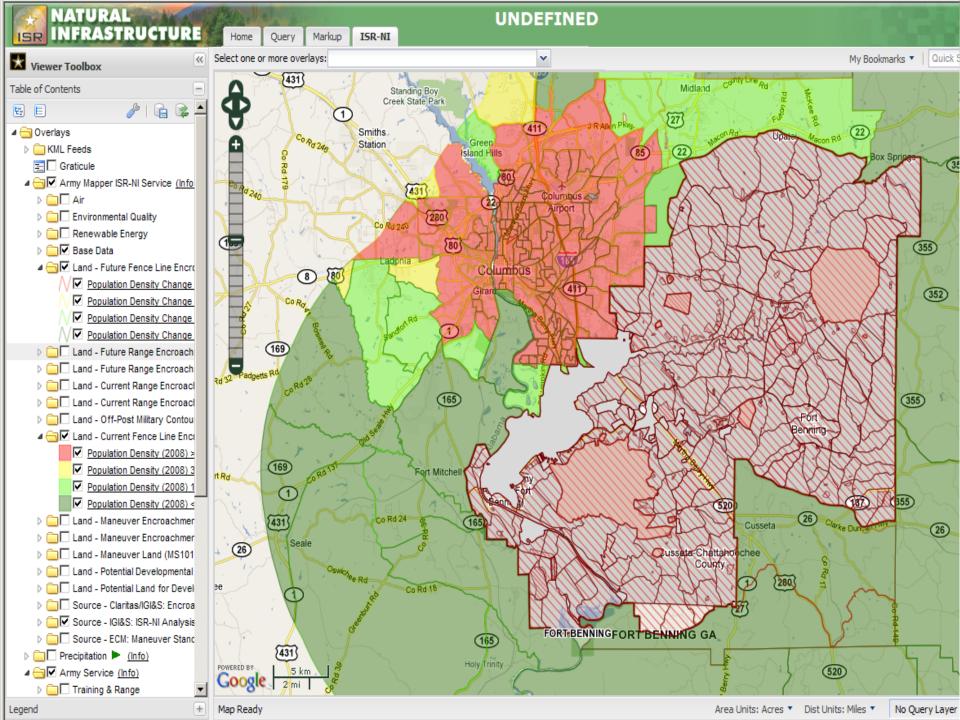






FY11 Fenceline Encroachment (MS102)

- 41% of installations have contours that go off-post
- 62 installations have approximately 2 million acres under administrative control for training if mitigation measures occurred
- Future Encroachment 45% of installations estimated to have significant population growth outside the base boundary in the next five years



Questions?



Installation Status Report